REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	DRAWN

CONSOLIDATED #5736
(20 COND. #22), ECX579 (STANDARD)

SIGNAL BUNDLE OF 682A1023 (ECX413)
#24 AWG UNLESS OTHERWISE NOTED
(OPTIONAL)

	WIRE	WIRE	SIGNAL
	RED/BLK	#22 YEL	+5V
	RED	#22 PINK	+5V
	GRN	#22 BRN	COM
	GRN/BLK	#22 WHT/BLK	COM
	WHT/RED	WHT/RED	COS
	ORN/RED	WHT/ORN	COS-N
	BLU/RED	WHT/YEL	SIN
	BLK/RED	WHT/GRN	SIN-N
	BLU/BLK	WHT/GRY	MKR
	ORN/BLK	WHT/BRN	MKR-N
	RED/WHT	RED/GRN	HA
	BLK/WHT	RED/YEL	HB
	BLU/WHT	WHT/BLK/BRN	HC
	WHT	WHT/BLU	CW/+ LMT
	BLK	WHT/VIO	CCW/- LMT
	ORN	RED/BLK	HM LMT
	WHT/BLK	GRY	BRK +
	GRN/WHT	VIO	BRK -
	SHIELD	SHIELD	SIG SHLD

UNUSED WIRES (ECX413): TAN, VIO, GRY

UNUSED WIRES (ECK579): BLU, GRN/WHT, WHT/BLK

STRAIGHT PLUG MS3106A-20 (MCM454)
(KEY AT 'Z') INSERT MS20-29S (MCM464)
CLAMP 97-3057-1012 (MCM457)
BUSHING AN3055-22-12 (MCM493)

CONSOLIDATED #5736
(20 COND. #22), ECX579 (STANDARD)

SIGNAL BUNDLE OF 682A1023 (ECX413)
#24 AWG UNLESS OTHERWISE NOTED
(OPTIONAL)

SIGNAL	WIRE	WIRE	SOCKET
COM	#22 WHT/BLK	GRN/BLK	G(1/2)
COM	#22 BRN	GRN	G(1/2)
+5V	#22 YEL	RED/BLK	H(1/2)
+5V	#22 PINK	RED	H(2/2)
MKR-N	WHT/BRN	ORN/BLK	F
SIG SHLD	SHIELD	SHIELD	J
CW/+ LMT	WHT/BLU	WHT	S
HM LMT	RED/BLK	ORN	R
MKR	WHT/GRY	BLU/BLK	E
HA	RED/GRN	RED/WHT	K
CCW/- LMT	WHT/VIO	BLK	T
HC	WHT/BLK/BRN	BLU/WHT	P
SIN-N	WHT/GRN	BLK/RED	D
BRK +	GRY	WHT/BLK	L
BRK -	VIO	GRN/WHT	N
SIN	WHT/YEL	BLU/RED	C
HB	RED/YEL	BLK/WHT	M
COS-N	WHT/ORN	ORN/RED	B
COS	WHT/RED	WHT/RED	A

2 USE 2" LENGTHS OF THICK WALL HEATSHRINK TUBING (EIW00113 - QTY 2, EIW00112 - QTY 1) TO BUILD UP CABLE DIAMETER FOR PROPER STRAIN RELIEFING. STRAIN RELIEFING MUST WITHSTAND 35 LB. PULL.

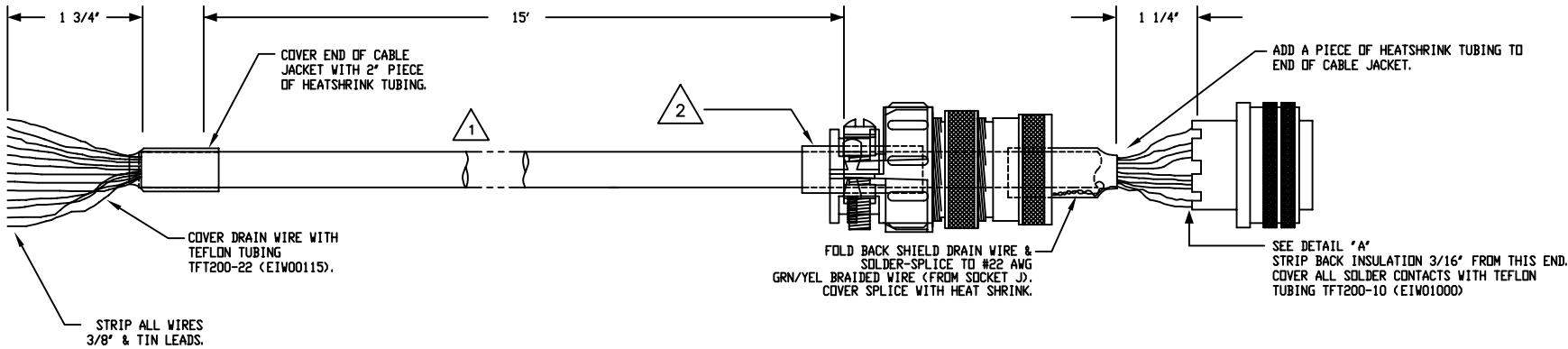
CUT THICK WALL HEATSHRINK TUBING WITH CABLE CUTTER SUCH THAT ENDS ARE PERPENDICULAR TO CABLE AND CUT IS SMOOTH.

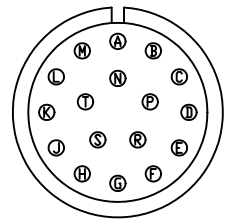
THICK WALL HEATSHRINK TUBING:

AMP # 53701-1 (EIW00112) MAX INSIDE DIA = .750" (EXPANDED), MIN INSIDE DIA = .220" (RECOVERED)

AMP # 53700-1 (EIW00113) MAX INSIDE DIA = .400" (EXPANDED), MIN INSIDE DIA = .150" (RECOVERED)

1 STARTING CABLE LENGTH = 15 FT 5 IN





DETAIL "A"

VIEWED FROM WIRE SIDE OF CONNECTOR
AMPHENOL SOCKET INSERT MS20-29S (MCM464)

PROPRIETARY INFORMATION
THIS DRAWING IS THE PROPERTY OF AEROTECH, INC. AND IS SUBMITTED IN CONFIDENCE AND SHALL NOT BE REPRODUCED NOR COPIED NOR DISCLOSED TO OTHERS UNDER PENALTY OF LAW.

AEROTECH, INC. 101 Zeta Drive
Pittsburgh, PA. 15238
(412)963-7470 TWX710-795-3125

TOLERANCES ON
FRACTIONS 0 TO 6 ± 1/32, OVER 6 ± 1/16
DECIMALS .XX ± .01, .XXX ± .005
ANGLES ± 0-30'

RMS FINISH EXCEPT AS NOTED

BRUSHLESS MOTOR FEEDBACK CABLE (PFCLBRK) WITH BRAKE & FLYING LEADS

DRAWN	JLD	11/98
CHECKED	DC	12/98
APPD.	DC	12/98

PART CODE -
SIZE C
630C1743-2
REV. -

SCALE NTS
FILE NAME 630C1743-201.dwg
SHEET 1 OF 1